

INFORMATION DISCLOSURE STATEMENT

Atty.
Dkt. No.

Applicant: HONG, et al.

Appl. No.: 09/878,131

Filing Date: 6-8-01

Examiner: Unknown

Global Art Unit: 3101

Date: 8-29-01

Page 1 of 5

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
SPC	AR	5,747,298	05/1998	HONG et al.			
SPC	BR	5,614,365	03/1997	TABOR et al.			
	CR						
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						
	LR						
	MR						
	NR						

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract	Translation Readily Available
								Enclosed	No
SPC	OR	96/38568	12/1996	WO	DAVIS			<input type="checkbox"/>	<input type="checkbox"/>
	PR							<input type="checkbox"/>	<input type="checkbox"/>
	QR							<input type="checkbox"/>	<input type="checkbox"/>
	RR							<input type="checkbox"/>	<input type="checkbox"/>
	SR							<input type="checkbox"/>	<input type="checkbox"/>
	TR							<input type="checkbox"/>	<input type="checkbox"/>
	UR							<input type="checkbox"/>	<input type="checkbox"/>
	VR							<input type="checkbox"/>	<input type="checkbox"/>

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

SPC	WR	Joyce, et al., "Function and Structure Relationships in DNA Polymerases", Annu. Rev. Biochem. 1994, Vol. 63, Pages 777-822.			
	XR	Mead et al., "Bst DNA Polymerase Permits Rapid Sequence Analysis from Nanogram Amounts of Template", Research Report, BioTechniques, Vol. 11, No. 1 (1991), pp. 76-84			
	YR	McClary, et al., "Sequencing with the large fragment . . . stearothermophilus", DNA Sequence-J. DNA Sequencing and Mapping, Vol. 1, (1991) pp. 173-180			
	ABR	Epicentre Technologies, "What's New in this Catalog?" DNA Polymerase (. . . fragment), 1994/95 Products for Molecular & Cellular Biology, p.1.			
	ACR	Jacobs et al., "The N-Terminal Amino-Acid Sequences of DNA Polymerase I from Escherichia coli and of the Large and the Small Fragments Obtained by a Limited Proteolysis", Eur. J. Biochem. 45 (1974), pp. 623-627			
	ADR	John Wiley & Sons, Inc., Current Protocols in Molecular Biology, DNA Sequencing, Vol. 1, 1994, pp. 7.4.31-7.4.33			

Examiner

Ruben Chandra

Date Considered:

10/10/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.
Dkt. No:

Applicant: HONG, et al.

Appln. No.: 09/878,131

Filing Date: 6-8-01

Examiner: Unknown

Group

O'clock Ref.

AUG 30 2001

INFORMATION DISCLOSURE STATEMENT

Date: 8-29-01

Page 2 of 5

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract		Translation Readily Available	
							Enclosed	No	Enclose	N
	OR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	RR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	TR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	UR						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

888	VR	Sanger et al., "DNA sequencing with chain-terminating inhibitors", Biochemistry: Proc. Natl. Acad. Sci. USA 74, No. 12, (1977), pp. 5463-5467				
	WR	Shengyu et al., "Heat-stable DNA Polymerase I Large Fragment Resolves Hairpin Structure in DNA Sequencing, Scientia Sinica (Series B), Vol. XXX, No. 5, May 1987, pp. 503-506				
	XR	Okazaki et al., "Enzymatic Synthesis of Deoxyribonucleic Acid", The Journal of Biological Chemistry, Vol. 239, No. 1, Jan. 1964, pp. 259-268				
	ABR	Kaboev, et al., "Purification and Properties of Deoxyribonucleic Acid Polymerase from Bacillus stearothermophilus", Journal of Bacteriology, Vol. 145, No. 1, Jan. 1981, pp. 21-26				
	ACR	Catalogue of Bacteria and Phages, American Type Culture Collection, Eighteenth edition, 1992, p.51				
	ADR	Riggs et al., "Construction of single amino acid substitution mutants of cloned Bacillus stearothermophilus DNA polymerase I which lacks 5'-3' exonuclease activity, "Biochimica et Biophysica Acta 1307 (1996), pp. 178-186				

Examiner: R. B. Choudhury

Date Considered: 10/10/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

To: U.S. Department of Commerce
Patent and Trademark Office

Atty.
Dkt. No.

Applicant: HONG, et al.

Appln. No.: 09/878,131

Filing Date: 6-8-01

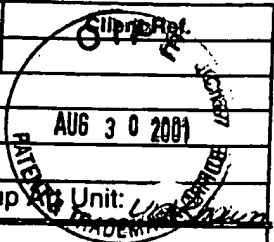
Examiner: Unknown

Group: Unit:

INFORMATION DISCLOSURE STATEMENT

Date: 8-29-01

Page 3 of



U.S. PATENT DOCUMENTS

Inventor's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
AR						
BR						
CR						
DR						
ER						
FR						
GR						
HR						
IR						
JR						
KR						
LR						
MR						
NR						

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract	Translation Readily Available
						Enclosed	No
OR						<input type="checkbox"/>	<input type="checkbox"/>
PR						<input type="checkbox"/>	<input type="checkbox"/>
QR						<input type="checkbox"/>	<input type="checkbox"/>
RR						<input type="checkbox"/>	<input type="checkbox"/>
SR						<input type="checkbox"/>	<input type="checkbox"/>
TR						<input type="checkbox"/>	<input type="checkbox"/>
UR						<input type="checkbox"/>	<input type="checkbox"/>
VR						<input type="checkbox"/>	<input type="checkbox"/>

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

WR	Aliotta et al., "Thermostable Bst DNA polymerase I lacks a 3'-5' proofreading exonuclease activity", Genetic Analysis Biomolecular Engineering, 12 (1996), pp. 185-195			
XR	John Wiley & Sons, Inc., Current Protocols In Molecular Biology, DNA Sequencing, Vol. 1, (1994), 7.4.17-7.4.24.			
YR	Earley, et al., "Robotic Automation of Dideoxyribonucleotide Sequencing Reactions", Research Reports, BioTechniques, Vol. 17, No. 1 (1994) 156-165.			
ABR	Mardis et al., "Automated Methods for Single-Stranded DNA Isolation and Dideoxynucleotide DNA Sequencing Reactions on a Robotic Workstation", Research Report, BioTechniques, Vol. 7, No. 8 (1989) pp. 840-850.			
ACR	BIO RAD, US Bulletin 1649, Pre-mixed Nucleotide Sequencing Kits for Bst DNA Polymerase, 1996, p.176-178			
ADR	Carroll et al., "A Mutant of DNA Polymerase I (Klenau Fragment) with Reduced Fidelity", Biochemistry, Vol. 30, No. 3, 1991, pp. 804-813.			

Inventor: Brahma Chunduru

Date Considered:

10/10/03

FORM PTO-1449

To: U.S. Department of Commerce
Patent and Trademark Office

Atty. Dkt. No. Lee 113

Applicant: HONG, et al.

Appln. No.: 09/878131

Filing Date: 6-8-01

Examiner: Unknown

Group A: 113

Patent & Trademark Office
AUG 30 2001

INFORMATION DISCLOSURE STATEMENT

Date: 8-29-01

Page 4 of 5

U.S. PATENT DOCUMENTS						
Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	SubClass	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS								English Abstract		Translation Readily Available	
	Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass		Enclosed	No	Enclose	No
	OR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	QR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	RR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	TR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	UR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	VR							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)										
WR	BIO RAD, U.S Bulletin 1771, Fluorescent-labeled DNA Sequencing Reactions Using Bst Polymerase	1996, pp. 1-4								
XR	PROMEGA TECHNICAL BULLETIN, "SEQUENCE OF pGEM3z(+) VECTOR", Revised 2/95,	pp.5-6								
YR	Chissoe, "Strategies for Rapid and Accurate DNA Sequencing", Methods: A Companion to Methods in Enzymology, Vol. 3, No. 1, (August, 1991) pp. 55-65.									
ABR	Kunkel, "Rapid and Efficient Site-Specific Mutagenesis without Phenotypic selection" Methods in Enzym., Vol. 154 (1987), pp. 367-383.									
ACR										
ADR										

Examiner: Brian Chen

Date Considered: 10/10/03

AMINER: Initial if citation considered, whether or not citation is in conformance with MPEP '609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

SHEET 5 OF 5